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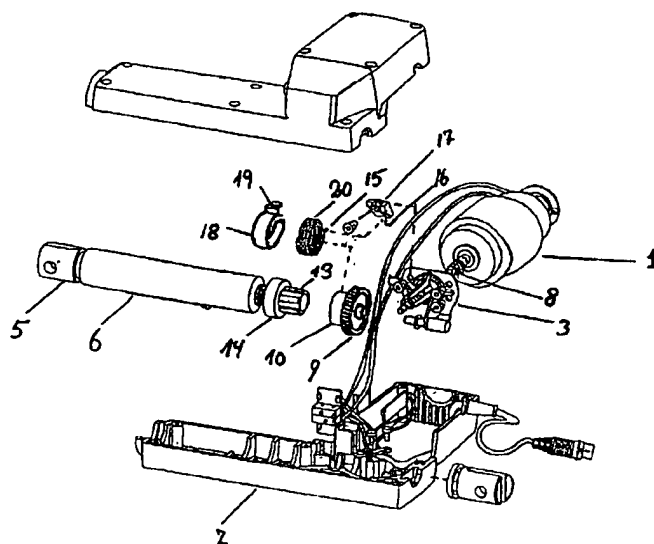
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(54) Title: **A LINEAR ACTUATOR WITH SELF-LOCKING SPINDLE**



(57) Abstract: An actuator, preferably a linear actuator for furniture, comprises a brake spring (20) in the form of a helical spring having a plurality of windings wound around a cylindrical element (10) of plastics rotatable at least during braking, said spring being tightened around the cylindrical element for braking. The frictional heat generated hereby can cause the plastics to be deformed, which adversely affects the braking power. This is solved by providing the cylindrical element (10) consisting of plastics with an insert (12) of metal for carrying off the frictional heat preferably into other metal parts of the actuator that may serve as cooling faces. To carry off heat additionally, it is proposed to arrange a second heat-conducting element (18) in intimate contact with the outer side of the spring (20), said element being likewise connected with other metal parts of the actuator that may serve as cooling faces.

WO 2004/027290 A3



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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F16H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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A	DE 296 06 367 U (OKIN GES FUER ANTRIEBSTECHNIK) 1 August 1996 (1996-08-01) page 5-6; claim 1; figure 1 ---	1,3
A	US 4 246 991 A (OLDAKOWSKI STEPHEN Z) 27 January 1981 (1981-01-27) figure 1 --- -/--	1



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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G document member of the same patent family

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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